

Building wires



PVC Insulated, Single Core Cables with Flexible Copper Conductor

Standards: EN 50525-2-31, VDE 0281, IEC 60227,BS 6004, HD 21.3 S3, SI 60227 Part 3

Technical Data

Max. operating temperature: 70 °C

Max. short circuit temperature: 160 °C (max. 5 sec.)

Rated voltage: 300/500 V / 450/750 V

Application

For protected installation and light fitting. Also for in conduit, on and under plaster.

Construction

- ① Flexible copper conductors ② PVC insulation

DIMENSION AND WEIGHTS				ELECTRICAL PROPERTIES		
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A) In ground at 20 °C	Current Carrying Capacity (A) In air at 30 °C
mm ²	mm	kg/km	m	ohm/km		
0,5 *	2,1	9	100	39,0	-	11
0,75 *	2,3	11	100	26,0	-	16
1,0 *	2,5	14	100	19,5	11	20
1,5	3,0	20	100	13,3	15	24
2,5	3,6	32	100	7,98	20	32
4	4,2	46	100	4,95	25	42
6	4,8	65	100	3,30	33	54
10	6,5	115	100	1,91	45	73
16	8,0	175	100	1,21	61	98
25	10,0	270	1000	0,780	83	129
35	11,0	350	1000	0,554	103	158
50	13,5	525	1000	0,386	132	198
70	15,0	700	1000	0,272	165	245
95	17,5	900	1000	0,206	197	292
120	19,5	1200	1000	0,161	235	344
150	22,0	1500	1000	0,129	-	391
185	24,0	1860	1000	0,106	-	448
240	27,5	2400	1000	0,0801	-	528